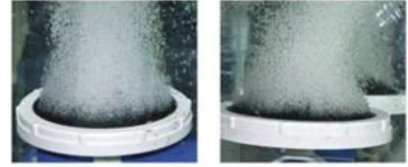




A

Disc Fine Bubble Diffusers

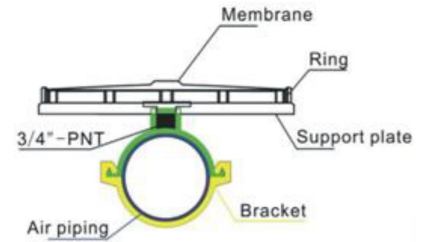


Advantages

- *Flexible replacement for upgrading projects
- *Multi installation for PVC, HDPE, Steel, etc.
- *High oxygen transfer efficiency
- *Intermittent operation capability
- *High resistance to corrosion
- *Back flow prevention
- *Quick installation and low maintenance
- *Low pressure loss
- *Water-stirring effect

Structure

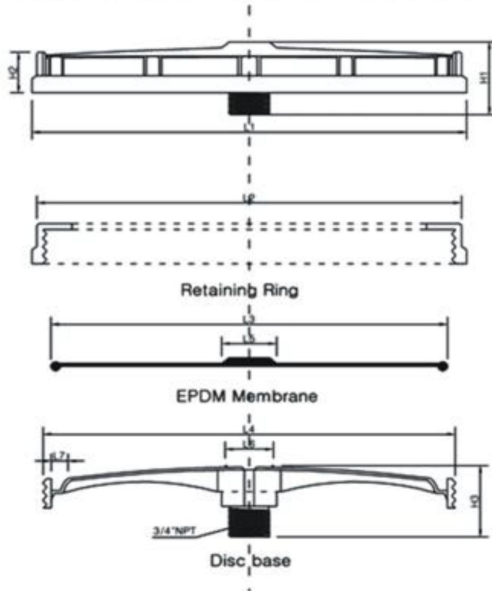
1. Membrane: Adopted the EPDM/Silicone to melt. It can restrain the ageing effectively of the membrane, and protract the using life over 8 years.
2. Slit Hole :Adopted the "A" shaped for perforating to prevent adverse of waste water effectively and the bubble would be less than 0.3mm during aeration.
3. Base: Made by PP+FIBER GLASS , well resistance to corrosion and service long life.



Installation drawing

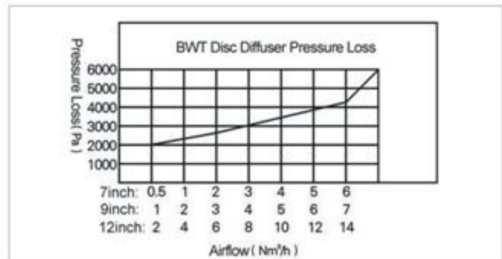
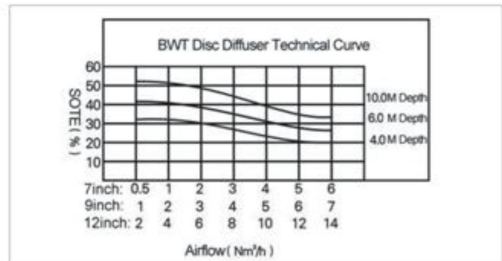
Disc Fine Bubble Diffusers

Construction of Disc Diffuser



Diffuser Type	L1	L2	L3	L4	L5	L6	L7	H1	H2	H3	A1
215	255	245	222	240	32	28	12	58	32	54	3/4" NPT
270	270	260	240	250	32	28	12	58	32	54	3/4" NPT
300	290	285	270	280	32	28	12	58	32	54	3/4" NPT
350	340	330	315	330	32	28	12	58	32	54	3/4" NPT

unit mm



Item	7 Inch	9 Inch	12 Inch
Working air flow (m3/h)	1~4	1~6	1~10
Designed air flow(m3/h)	2	3	5
Oxygen transform efficiency (%)	>30	>30	>30
Service area (m2/piece)	0.4~0.8	0.6~0.9	0.7~1.0
Bubble size(mm)	0.8~2.1	0.8~2.1	0.8~2.1
Pressure loss (kpa)	1.5~4.3	1.5~4.3	1.5~4.3
Oxygenate capability (kgO2/h)	0.15~0.38	0.18~0.48	0.25~0.55
Theoretic dynamic efficiency(kgO2/kw.h)	>8.9	>8.9	>8.9